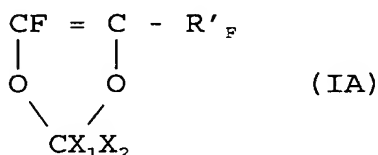




## PERFLUORINATED POLYMERS

### ABSTRACT

Amorphous perfluorinated homopolymers and copolymers of perfluorodioxoles of formula (IA):



wherein  $\text{R}'_{\text{F}}$  is equal to  $\text{R}_{\text{F}}$  or  $\text{OR}_{\text{F}}$  wherein  $\text{R}_{\text{F}}$  is a linear or branched perfluoroalkyl radical having 1-5 carbon atoms;  $\text{X}_1$  and  $\text{X}_2$ , equal to or different from each other, are F,  $\text{CF}_3$ ; said polymers having a dioxole content  $\geq 95\%$  by moles, having the following property combination:

- $\text{Tg}$ , measured according to the ASTM 3418 (DSC) method, from  $180^\circ\text{C}$  to  $195^\circ\text{C}$ ;
- intrinsic viscosity, measured at the temperature of  $30^\circ\text{C}$  in perfluoroheptane (Galden<sup>®</sup> D80) according to the ASTM D 2857-87 method, from 13 cc/g to 100 cc/g.